Blakely, Sokoloff, Taylor & Zafman LLP   (310) 207-3800
Title: NEW STRAINS OF SACCHARAOTHRINX, PROCESS FOR PRODUCING
          PRAVASTAIN USING THE STRAINS AND ISOLATION PROCESS OF
          (HMG)-COA REDUCTASE
1st Named Inventor: Fang-Yu Lee
Express Mail No.: EV339914064US
Sheet: 1 of 1   Docket No.: 4135P005D

Fig. 1

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Sheet: 2 of 1

Sequence Listing

SEQ ID NO: 1

16s rDNA sequence for strain #44442 (sequence listed 5'⟹3'):

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GACGAACGCTGGCGGCGTGCTTAACACATGCAAGTCGAGCGGTAAGGCCC
TTCGGGGTACACGAGCGGCGAACGGGTGAGTAACACGTGGGTAACCTGCC
CTGTACTCCGGGATAAGCCTGGGAAACTAGGTCTAATACCGGATACGACC
CCATAGGGCATCTTGTGGGGTGGAAAGTTCCGGCGGTATGGGATGGACCC
GCGGCCTATCAGCTTGTTGGTGGGGTGATGGCCTACCAAGGCGACGACGG
GTAGCCGGCCTGAGAGGGTGACCGGCCACACTGGGACTGAGACACGGCCC
AGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGC
CTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCT
CTTTCAGCAGGGACGAAGCGCAAGTGACGGTACCTGCAGAAGAAGCACCG
GCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTC
CGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTTGCGTCGGCCGTG
AAAACTTCACGCTTAACGTGGAGCCTGCGGTCGATACGGGCAGACTTGAG
TTCGGCAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATA
TCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGATACTGACGC
TGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCC
ACGCCGTAAACGGTGGGTGCTAGGTGTGGGGGACTTCCACGTCCTCCGTGC
CGCAGCTAACGCATTAAGCACCCCGCCTGGGGAGTACGGCCGCAAGGCTA
AAACTCAAAGGAATTGACGGGGGCCCGCACAAGCGGCGGAGCATGTGGAT
TAATTCGATGCAACGCGAAGAACCTTACCTGGGCTTGACATGCACCGGAA
ACCTGCAGAGATGTAGGCCTCTTCGGACTGGTGTACAGGTGGTGCATGGCT
GTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAA
CCCTCGTTCCATGTTGCCAGCGCGTTATGGCGGGGACTCATGGGAGACTGC
CGGGGTCAACTCGGAGGAAGGTGGGGATGACGTCAAGTCATCATGCCCCT
TATGTCCAGGGCTTCACACATGCTACAATGGCCGGTACAGAGGGCTGCTA
AGCCGTGAGGTGGAGCGAATCCCAAAAAGCCGGTCTCAGTTCGGATCGGG
GTCTGCAACTCGACCCCGTGAAGTCGGAGTCGCTAGTAATCGCAGATCAG
CAACGCTGCGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACGT
CACGAAAGTCGGTAACACCCGAAGCCCGTGGCCCAACCCGCAAGGGGGGG
AGCGGTCGAAGGTGGGACTGGCGATTGGGAC
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Sheet: 3 of 1

SEQ ID NO: 2

16s rDNA sequence for strain #45494 (sequence listed 5'⟹3'):

GACGAACGCTGGCGGCGTGCTTAACACATGCAAGTCGAGCGGTAAGGCCC
TTCGGGGTACACGAGCGGCGAACGGGTGAGTAACACGTGGGTAACCTGCC
CTGTACTCCGGGATAAGCCTGGGAAACTAGGTCTAATACCGGATACGACC
CCATAAGGCATCTTGTGGGGTGGAAAGTTCCGGCGGTATGGGATGGACCC
GCGGCCTATCAGCTTGTTGGTGGGGTGATGGCCTACCAAGGCGACGACGG
GTAGCCGGCCTGAGAGGGTGACCGGCCACACTGGGACTGAGACACGGCCC
AGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGC
CTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCT
CTTTCAGCAGGGACGAAGCGCAAGTGACGGTACCTGCAGAAGAAGCACCG
GCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTC
CGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTTGCGTCGGCCGTG
AAAACTTCACGCTTAACGTGGAGCCTGCGGTCGATACGGGCAGACTTGAG
TTCGGCAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATA
TCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGATACTGACGC
TGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCC
ACGCCGTAAACGGTGGGTGCTAGGTGTGGGGGACTTCCACGTCCTCCGTGC
CGCAGCTAACGCATTAAGCACCCCGCCTGGGGAGTACGGCCGCAAGGCTA
AAACTCAAAGGAATTGACGGGGGCCCGCACAAGCGGCGGAGCATGTGGAT
TAATTCGATGCAACGCGAAGAACCTTACCTGGGCTTGACATGCACCGGAA
ACCTGCAGAGATGTAGGCCTCTTCGGACTGGTGTACAGGTGGTGCATGGCT
GTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAA
CCCTCGTTCCATGTTGCCAGCGCGTTATGGCGGGGACTCATGGGAGACTGC
CGGGGTCAACTCGGAGGAAGGTGGGGATGACGTCAAGTCATCATGCCCCT
TATGTCCAGGGCTTCACACATGCTACAATGGCCGGTACAGAGGGCTGCTA
AGCCGTGAGGTGGAGCGAATCCCAAAAAGCCGGTCTCAGTTCGGATCGGG
GTCTGCAACTCGACCCCGTGAAGTCGGAGTCGCTAGTAATCGCAGATCAG
CAACGCTGCGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACGT
CACGAAAGTCGGTAACACCCGAAGCCCGTGGCCCAACCCGCAAGGGGGGG
AGCGGTCGAAGGTGGGACTGGCGATTGGGACGAAGTCGTAACAAGGTAGC
CGTACCGGAAGGTGC

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Sheet: 4 of 1

SEQ ID NO: 3 GAG TTT GAT CCT GGC TCA G

SEQ ID NO: 4 CGG TGT GTR CAA GGC CC

SEQ ID NO: 5 GCA ACG AGC GCA ACC C

SEQ ID NO: 6 CCG TCA ATT CAT TTG AGT TT

SEQ ID NO: 7 ATT AGA TAC CCT GGT AG

SEQ ID NO: 8 CAG CMG CCG CGG TAA TWC

SEQ ID NO: 9 GWA TTA CCG CGG CKG CTG

SEQ ID NO: 10 TAC GGG AGG CAG CAG

SEQ ID NO: 12 CTG CTG CCT CCC GTA

SEQ ID NO: 13 AGA AAG GAG GTG ATC AGC C